



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

December 30, 2004  
PLANS APPROVAL DATE

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To accompany plans dated \_\_\_\_\_

REGISTERED PROFESSIONAL ENGINEER

Tillat Sattar

No. C42892

Exp. 3-31-06

CIVIL

STATE OF CALIFORNIA

Span (m)	1778 mm Panel Depth					2032 mm Panel Depth					2286 mm Panel Depth				
	Frame Width (mm)	Chord L's	Vertical L's	Diagonal L's	Wind Bracing L's	Frame Width (mm)	Chord L's	Vertical L's	Diagonal L's	Wind Bracing L's	Frame Width (mm)	Chord L's	Vertical L's	Diagonal L's	Wind Bracing L's
12.2-15.4	915	127x89x9.5	89x89x7.9	89x89x7.9	64x64x6.4	915	127x89x9.5	89x89x7.9	89x89x7.9	64x64x6.4	915	127x89x9.5	89x89x7.9	89x89x7.9	64x64x6.4
15.5-18.5	915	127x89x9.5			64x64x6.4	915	127x89x9.5			64x64x6.4	915	127x89x9.5			64x64x6.4
18.6-21.5	915	127x89x9.5			64x64x6.4	915	127x89x9.5			64x64x6.4	915	127x89x9.5			64x64x6.4
21.6-24.6	915	152x102x12.7			64x64x6.4	915	152x102x12.7			64x64x6.4	915	152x102x12.7			64x64x6.4
24.7-27.6	915	152x102x12.7			64x64x6.4	915	152x102x12.7			64x64x6.4	915	152x102x12.7			64x64x6.4
27.7-30.7	915	152x102x12.7			64x64x6.4	915	152x102x12.7			64x64x6.4	915	152x102x12.7			64x64x6.4
30.8-33.7	915	203x102x19.0			64x64x6.4	915	203x102x19.0			64x64x6.4	915	203x102x19.0			76x76x9.5
33.8-36.8	915	203x102x19.0			64x64x6.4	915	203x102x19.0			64x64x6.4	915	203x102x19.0			76x76x9.5
36.9-39.8	915	203x102x19.0			64x64x6.4	915	203x102x19.0			64x64x6.4	1067	203x102x19.0			76x76x9.5
39.9-44.2	915	203x102x19.0			64x64x6.4	915	203x102x19.0			64x64x6.4	1067	203x102x19.0			76x76x9.5

RANGE OF STRUCTURE SIZES

Panel Depth (mm)	Frame Depth (mm)	Max Vertical L Spacing (mm)	Camber For Fabrication At Q Span	
			Span (m)	Camber (mm)
1778	1931	1829	12.19 - 15.24	27
2032	2185	1829	15.25 - 30.48	54
2286	2439	2286	30.49 - 44.20	83
2540	2693	2286		
2794	2693	2286		
3048	2693	2286		

Camber to approximate parabola.  
Camber of cantilever arm = +13 mm for arms greater than 3050 mm

Span (m)	2540 mm Panel Depth				
	Frame Width (mm)	Chord L's	Vertical L's	Diagonal L's	Wind Bracing L's
12.2-15.4	915	127x89x9.5	89x89x7.9	89x89x7.9	64x64x6.4
15.5-18.5	915	127x89x9.5			64x64x6.4
18.6-21.5	915	127x89x9.5			64x64x6.4
21.6-24.6	915	152x102x12.7			64x64x6.4
24.7-27.6	915	152x102x12.7			64x64x6.4
27.7-30.7	915	152x102x12.7			64x64x6.4
30.8-33.7	1067	203x102x19.0			76x76x9.5
33.8-36.8	1067	203x102x19.0			76x76x9.5
36.9-39.8	1067	203x102x19.0			76x76x9.5
39.9-44.2	1067	203x102x19.0			76x76x9.5

Span (m)	2794 mm and 3048 mm Panel Depth				
	Frame Width (mm)	Chord L's	Vertical L's	Diagonal L's	Wind Bracing L's
12.2-15.4	915	127x89x9.5	89x89x7.9	89x89x7.9	64x64x6.4
15.5-18.5	915	127x89x9.5			64x64x6.4
18.6-21.5	915	127x89x9.5			64x64x6.4
21.6-24.6	915	152x102x12.7			76x76x9.5
24.7-27.6	915	152x102x12.7			76x76x9.5
27.7-30.7	1067	152x102x12.7			76x76x9.5
30.8-33.7	1067	203x102x19.0			76x76x9.5
33.8-36.8	1067	203x102x19.0			76x76x9.5
36.9-39.8	1067	203x102x19.0			76x76x9.5
39.9-44.2	1067	203x152x19.0	89x89x9.5	89x89x9.5	76x76x9.5

TABLE X

TABLE XI

NOTES

- Frame widths shown are nominal. These widths may be varied by 6.4 mm to standardize fabrication methods.
- Walkway brackets not shown. Locate first interior bracket 813 mm Max from Q of post.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**OVERHEAD SIGNS-TRUSS  
TWO POST TYPE  
STRUCTURAL FRAME MEMBERS**

NO SCALE

ALL DIMENSIONS ARE IN  
MILLIMETERS UNLESS OTHERWISE SHOWN

RSP S5 DATED DECEMBER 30, 2004 SUPERSEDES  
RSP S5 DATED OCTOBER 26, 2000 AND STANDARD PLAN S5  
DATED JULY 1, 1999-PAGE 222 OF THE STANDARD PLANS BOOK DATED JULY 1999.